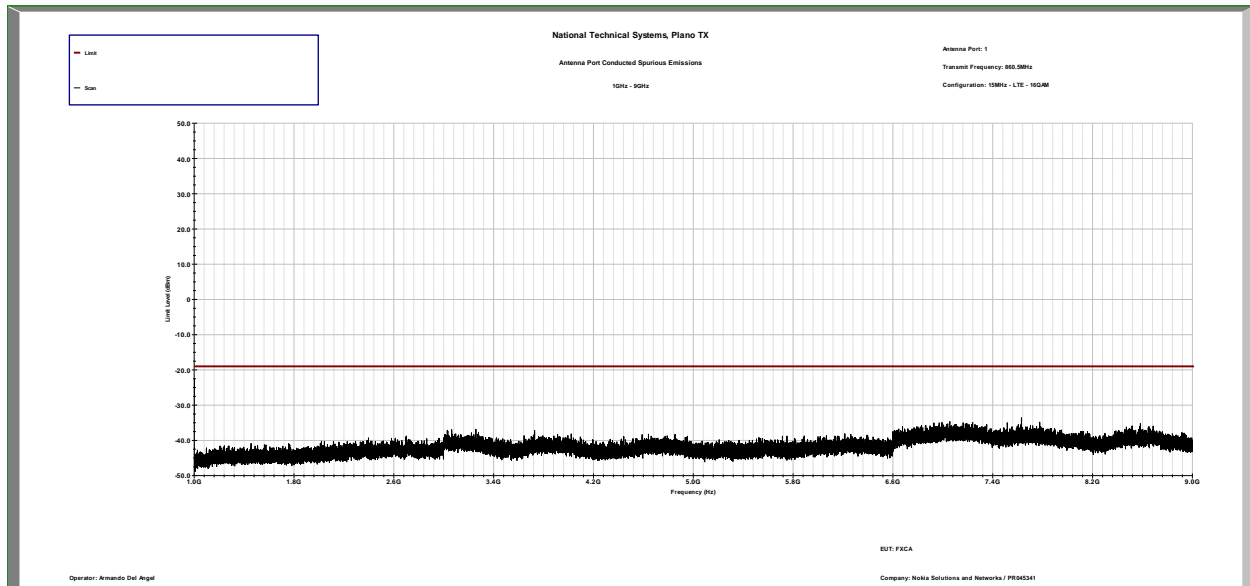
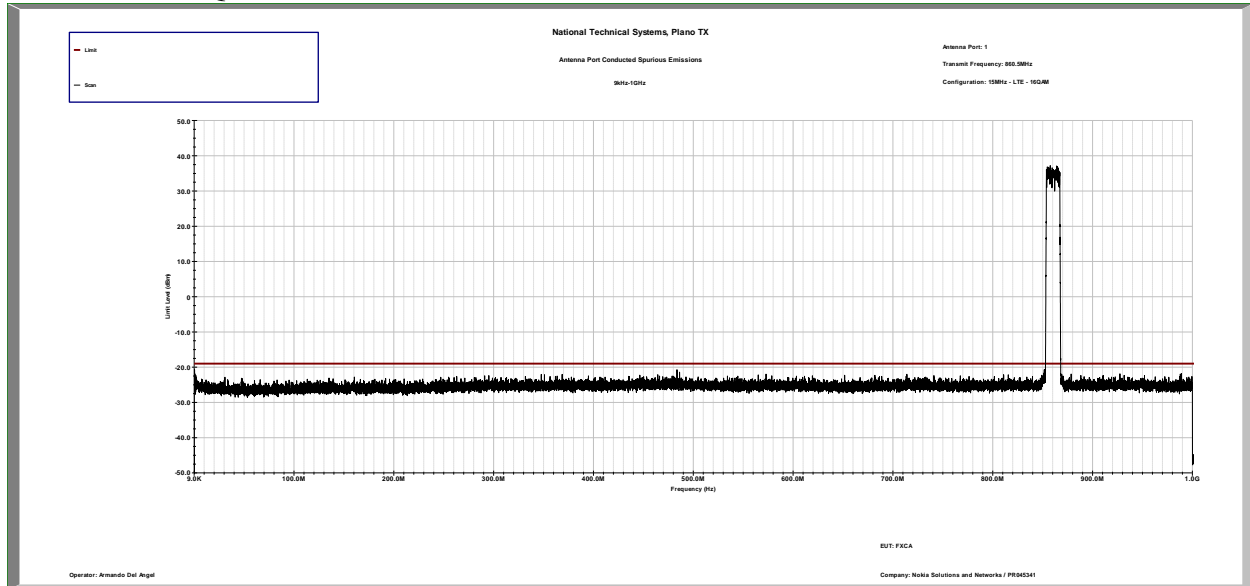
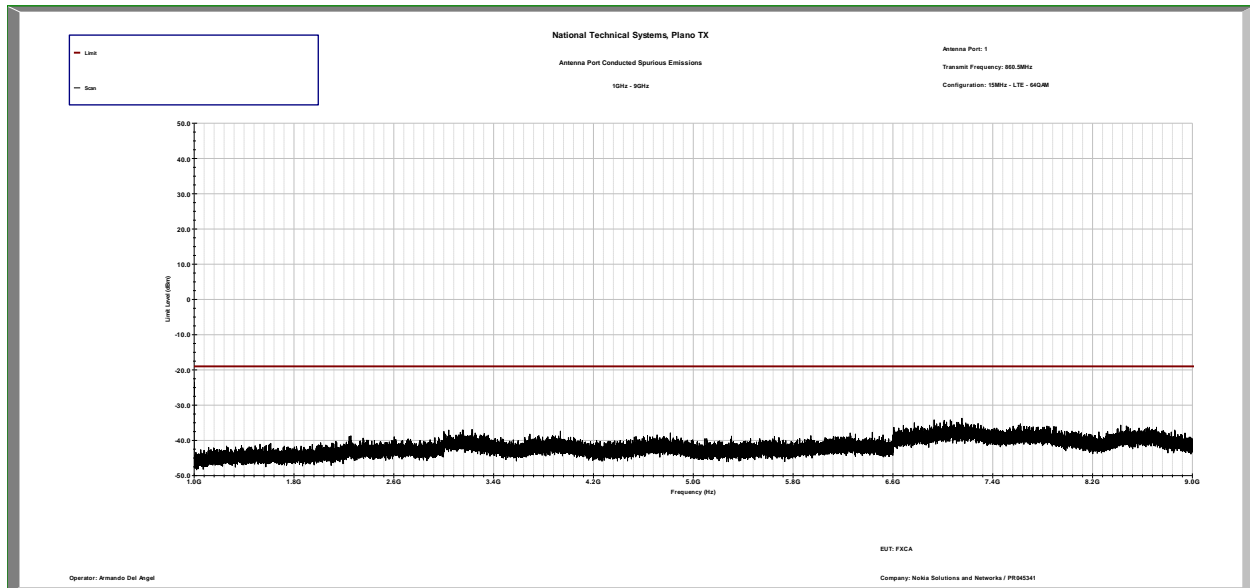
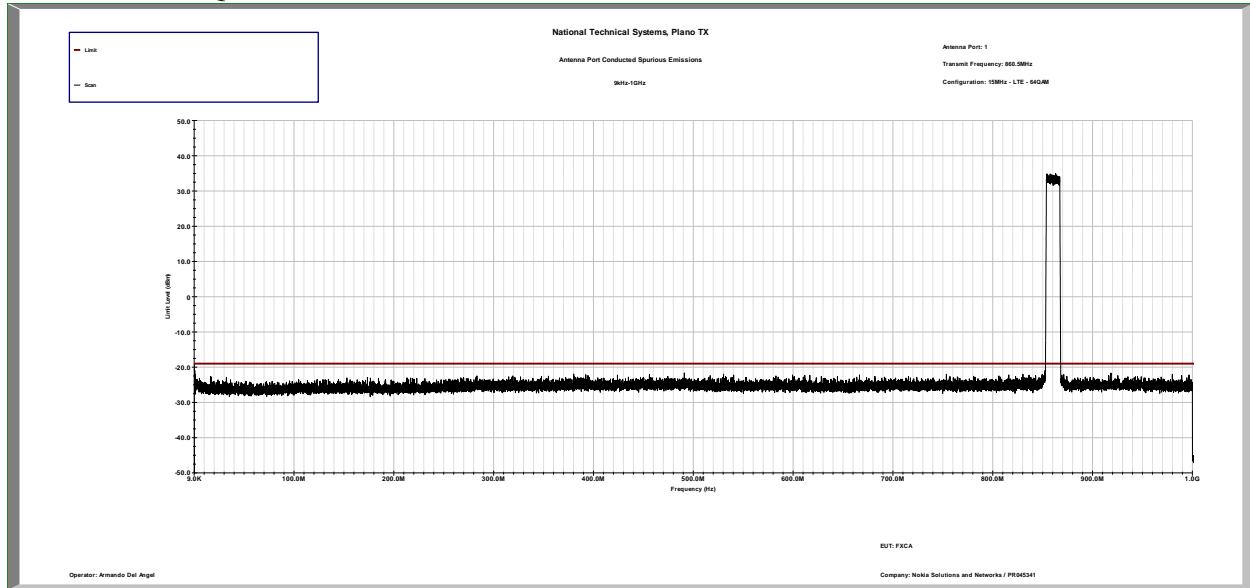


15M – LTE – 16QAM



15M – LTE – 64QAM



Transmitter Radiated Spurious Emissions

Based on antenna port conducted spurious emissions tests results, preliminary scans for radiated spurious emissions were performed in 30MHz – 10GHz frequency range in the following configurations:

LTE: 1.4M - QPSK transmitting on antenna 1 at bottom channel (852.7 MHz), antenna 3 at middle channel (860.5 MHz) and antenna 5 at top channel (893.3 MHz).

Final maximized peak radiated emissions were measured in these modes. During testing all antenna ports of the base station were terminated with 50ohm termination blocks and unit was transmitting on all of its ports at full power as described above.

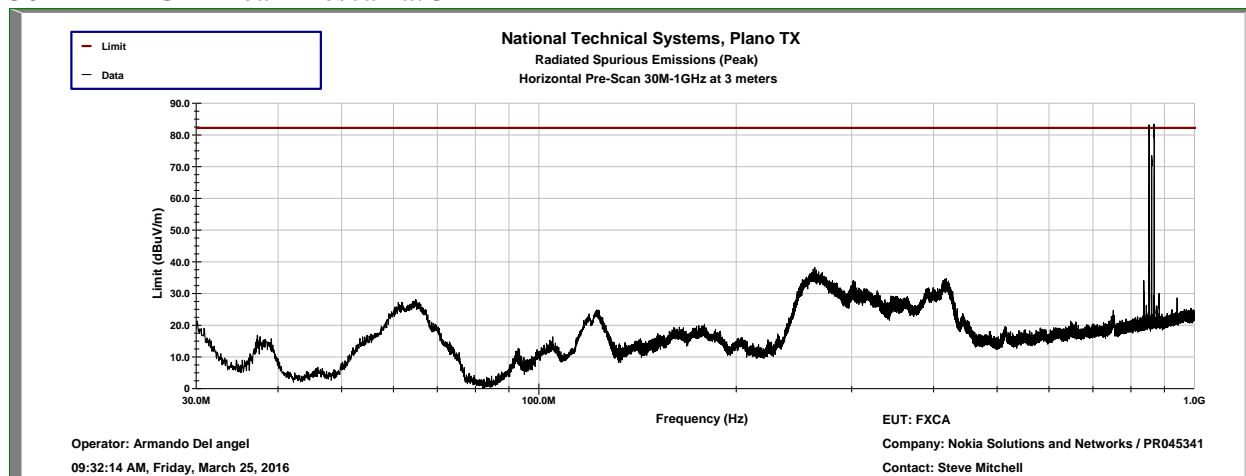
Frequency	Polarity	Raw Peaks	Antenna	Cable	PreAmp	Corrected	Limit	Margin
Hz	H/V	dBuV/m	dB	dB	dB	dBuV/m	dBuV/m	dB
65.6475	V	68.349	7.2	0.449	-36.926	39.072	82.2	-43.128
263.6	H	60.667	13.772	0.978	-37.273	38.144	82.2	-44.056
4342.737	V	42.392	32.156	4.523	-41.266	37.805	82.2	-44.395
3410.34	H	42.792	31.048	4.187	-41.717	36.309	82.2	-45.891
837.355	V	45.272	23.647	2.289	-35.945	35.262	82.2	-46.938
418.485	H	53.292	16.939	1.274	-36.813	34.692	82.2	-47.508
301.842	H	55.756	14.4	1.063	-37.183	34.036	82.2	-48.164
837.161	H	44.042	23.643	2.287	-35.946	34.027	82.2	-48.173
829.4	V	29.592	23.7	2.242	-35.962	33.964	82.2	-48.236
260.933	V	56.3	13.719	0.972	-37.278	33.713	82.2	-48.487
4263.128	H	38.511	32.167	4.119	-41.329	33.467	82.2	-48.733
1719.94	H	46.085	26.265	2.691	-42.183	32.857	82.2	-49.343
3441.624	V	38.697	31.072	4.194	-41.793	32.169	82.2	-50.031
2558.884	H	41.673	28.648	3.324	-42.589	31.056	82.2	-51.144
3442.724	H	37.279	31.072	4.194	-41.796	30.749	82.2	-51.451
1706.416	V	43.635	26.173	2.68	-42.188	30.299	82.2	-51.901
1721.78	V	42.345	26.278	2.692	-42.183	29.132	82.2	-53.068
2581.814	H	39.644	28.683	3.344	-42.614	29.057	82.2	-53.143
1735.711	V	41.777	26.373	2.704	-42.178	28.675	82.2	-53.525
2581.869	H	38.851	28.683	3.344	-42.614	28.264	82.2	-53.936
2605.638	V	38.813	28.711	3.365	-42.641	28.248	82.2	-53.952
3473.146	V	29.816	31.089	4.201	-41.87	23.235	82.2	-58.965
Corrected Field Strength = Raw Reading + Amplifier Gain + Antenna Factor + Cable Loss								
Negative Margin Indicate Passing Result								
Detector = Peak, RBW = 1MHz, VBW = 3MHz, Max Hold								

Highest noise floor of the measurement instrumentation was more than 20dB below the 82.2dBuV/m at 3m limit (equivalent to -13dBm EIRP).

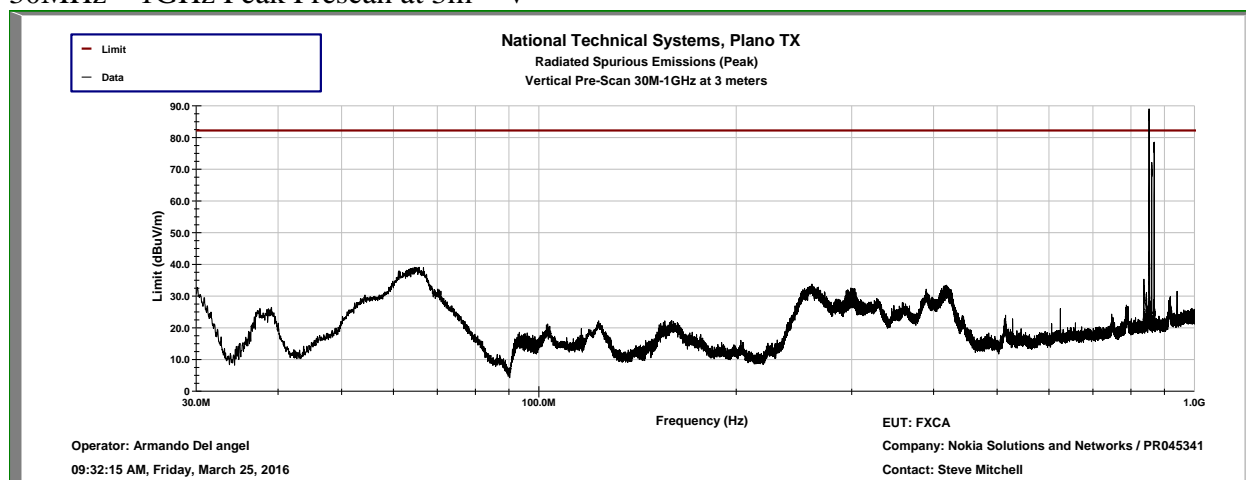
Since all maximized readings were more than 20dB below the 82.2dBuV/m at 3m limit (equivalent to -13dBm EIRP), substitution measurements were not performed.

TILE software was used for all prescans and plots included on the following pages.

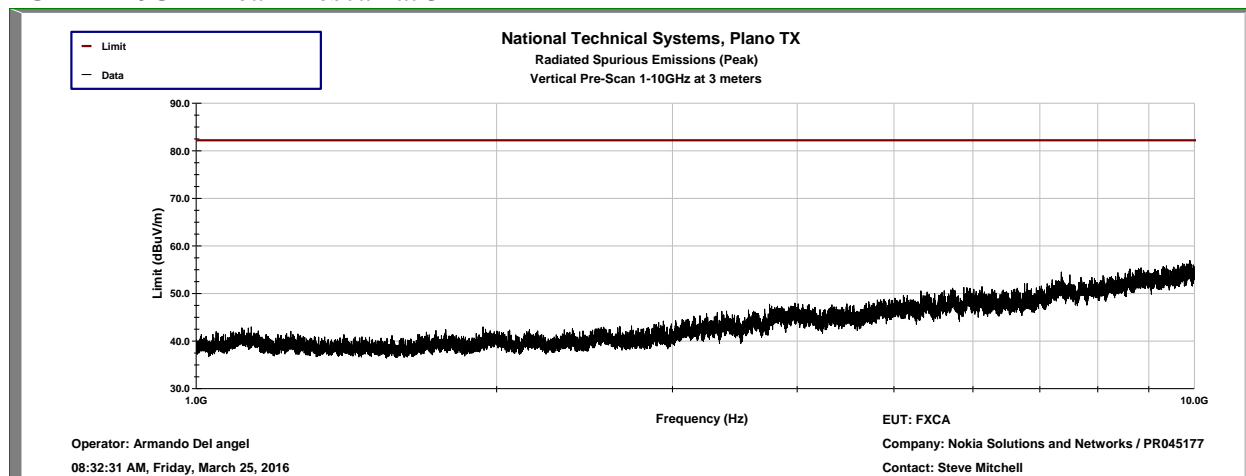
30MHz – 1GHz Peak Prescan at 3m – H



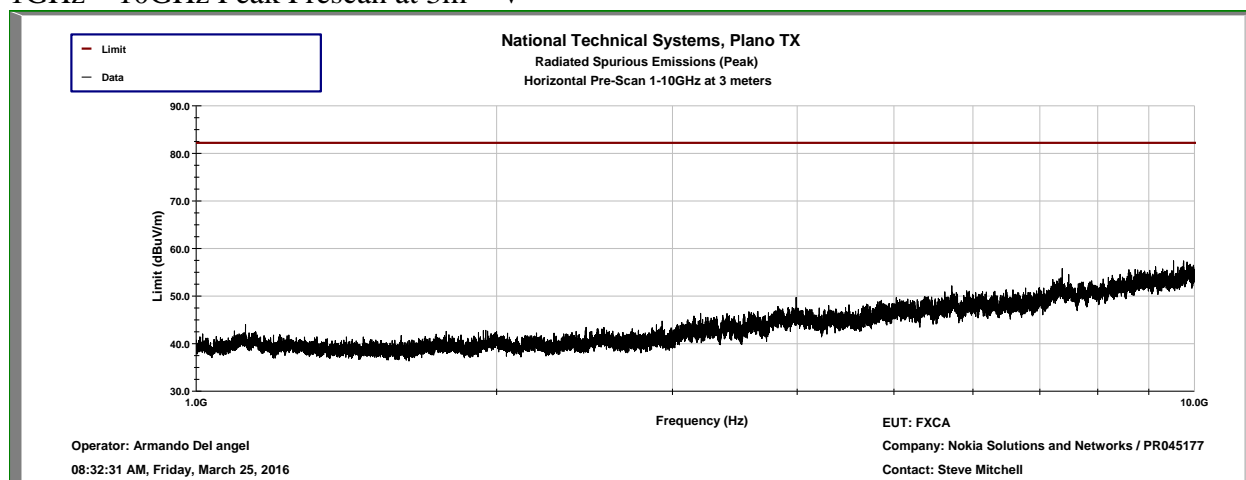
30MHz – 1GHz Peak Prescan at 3m – V



1GHz – 10GHz Peak Prescan at 3m – H



1GHz – 10GHz Peak Prescan at 3m – V



End of Report

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